(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 13 January 2005 (13.01.2005)

PCT

(10) International Publication Number WO 2005/004450 A1

(51) International Patent Classification7: H04M 1/725. H04N 7/15, 7/14

(21) International Application Number:

PCT/EP2004/006226

(22) International Filing Date: 9 June 2004 (09.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03013877.0 60/480,874

19 June 2003 (19.06.2003) EP 24 June 2003 (24.06.2003)

(71) Applicant (for all designated States except US): SONY ERICSSON MOBILE COMMUNICATIONS AB [SE/SE]; S-221 88 Lund (SE).

(72) Inventors; and

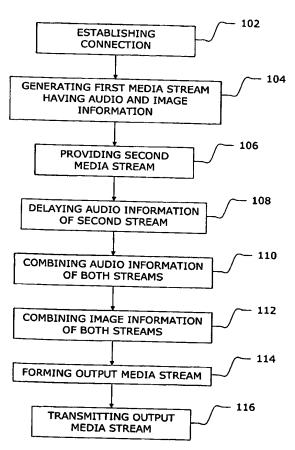
(75) Inventors/Applicants (for US only): NORHAMMAR,

Björn [SE/SE]; Vårvägen 16, S-182 74 Stocksund (SE). LINDQUIST, Tobias [SE/SE]; Gjuteribacken 21 A, S-172 65 Sundbyberg (SE).

- (74) Agent: DAHNÉR, Christer; Ström & Gulliksson IP AB, P.O. Box 7086, S-103 87 Stockholm (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, 7.W
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: MEDIA STREAM MIXING



(57) Abstract: The present invention is directed towards a method and a portable communication device (200) for forming a real time output media stream by mixing a first real time media stream with a second media stream. Provision of mixing of media streams provides a number of attractive functions, for instance. This invention concerns how to increase the usage of a mobile VT application and how to be able to handle integrity issues when used in a portable communication device.

WO 2005/004450 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report